Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/08/2021 09:05 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124567	-1	1.28	124441	1.26
Blue	F	SSC	125000	122937	-2	2.55	123250	2.41
Blue	E	FITC	13131	12742	-3	2.24	294	15.44
Blue	D	PE	24112	23777	-2	1.64	544	10.87
Blue	B	PerCP-Cy5-5	31295	30470	-3	3.04	1010	14.64
Blue	A	PE-Cy7	19939	19721	-2	5.27	523	29.09
Red	C	APC	42122	41477	-2	3.05	1740	11.43
Red	A	APC-Cy7	22340	21691	-3	3.53	810	11.82
Violet	B	V450	7410	7053	-5	3.82	432	12.61
Violet	A	V500	28118	26739	-5	3.48	668	9.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22923	1.00	570	1	N/A	N/A	Pass
Blue	F	SSC	57200	1.15	519	7	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0429	119	Pass
Blue	D	PE	114	37.06	490	2	0.3868	277	Pass
Blue	B	PerCP-Cy5-5	188	35.94	585	-1	0.0194	59	Pass
Blue	A	PE-Cy7	105	68.12	628	0	0.0223	3	Pass
Red	C	APC	404	23.67	578	2	0.0276	152	Pass
Red	A	APC-Cy7	181	27.86	552	1	0.0062	1092	Pass
Violet	B	V450	60	63.19	460	7	0.0594	2211	Pass
Violet	A	V500	96	35.15	471	6	0.0269	1015	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.51	0.99
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.33	13.60 - 20.40	N/A	N/A	29.81	30.13	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10849

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments